Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	06/13/2022 09:04 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/07/2022 10:19 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	10398	Expiration Date:	01/31/2023
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124533	-1	1.55	124460	1.51
Blue	F	SSC	125000	126507	1	3.02	127191	2.98
Blue	E	FITC	15860	15430	-3	2.29	375	14.15
Blue	D	PE	27718	27134	-3	1.72	632	10.42
Blue	B	PerCP-Cy5-5	38046	37529	-2	3.02	1023	14.76
Blue	A	PE-Cy7	26092	25721	-2	4.81	506	30.66
Red	C	APC	49104	48495	-2	2.66	1707	11.41
Red	A	APC-Cy7	28201	27816	-2	3.12	733	11.99
Violet	B	V450	9904	9507	-5	3.65	528	12.07
Violet	A	V500	39004	37501	-4	3.18	979	9.09

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23995	1.97	566	-3	N/A	N/A	Pass
Blue	F	SSC	56484	1.72	522	-6	N/A	N/A	Pass
Blue	E	FITC	58	54.24	491	0	0.0416	51	Pass
Blue	D	PE	123	37.93	496	0	0.3889	273	Pass
Blue	B	PerCP-Cy5-5	142	44.93	589	0	0.0204	99	Pass
Blue	A	PE-Cy7	63	94.35	631	-1	0.0214	1	Pass
Red	C	APC	329	26.71	577	-4	0.0280	170	Pass
Red	A	APC-Cy7	98	42.10	550	-5	0.0067	1301	Pass
Violet	B	V450	86	49.99	465	7	0.0478	1816	Pass
Violet	A	V500	123	37.37	476	7	0.0251	2125	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-32.09	-31.87	1.00
Blue	20.34	16.28 - 24.42	1.28	1.03 - 1.55	0.00	0.00	1.43
Red	16.27	13.90 - 20.86	N/A	N/A	30.40	30.43	1.21

Window Extension: 7.00
FSC Area Scaling Factor: 0.76

Threshold

Threshold (FSC): 9510

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments